

## Memorandum

To: **David Lam, Acting Chief**  
Design Branch C

Date: July 21, 2017

From: **DEPARTMENT OF TRANSPORTATION**  
District 12- Division of Environmental Analysis  
Environmental Engineering

File: 12-ORA-133  
PM 3.1/R4.3  
EA 0P94U

EFIS 1216000059

Category 420

Subject: **Initial Site Assessment**

In response to your request for an Initial Site Assessment (ISA) study for the above referenced project that proposes improvements along Route 133, Laguna Canyon Road, from 0.3 mile south of El Toro Road (PM 3.1) to 0.2 mile north of the 73/133 Interchange (PM R4.3). Our review comments and the ISA findings are as follow:

As part of the ISA process, we visited the project site on July 21, 2017, and performed a visual site inspection in order to complete the ISA study (the completed ISA Checklist is enclosed for your reference). Based on the findings during the site inspection, no evidence of known significant hazardous waste contamination that may impact the project was observed.

According to the PSR, "depending on the final location of the Utility Company Access Point locations and drainage improvements, there may be potential relocations of the 36" water line in certain locations". The possibility of existence of asbestos either at pipe or at its wrapping, if any, should be investigated during the design phase.

If the soil in unpaved or paved areas to be disturbed during this project, the Aerially Deposited Lead (ADL) Investigation should be conducted and the results of this investigation need to be incorporated into the PS&E package.

As a result, we recommend to include the following paragraph describing the ADL Investigation process into the PSR under the "Hazardous Waste" section.

*The soil in unpaved or paved areas might be contaminated with the Lead from vehicle emissions. Soil samples will be collected, tested and analyzed for ADL contamination during the PS&E stage. The ADL Investigation will be conducted by the Environmental Engineering Branch (EE) during the early stage of design. The Design Branch should provide the EE with the layout plans showing the locations of soil subject to disturbance at the early stage of design. If lead contamination is found, the results/conclusions will be included in the PS & E package.*

The following statement should be also added to the "Hazardous Waste" section:

*If project requires the disturbance and removal of yellow paint and thermoplastic traffic stripping, these materials should be tested for lead and chromim during the PS & E stage.*

If you have any further questions, please call Mitch Khalilifar at Ext. 7649.

  
**REZA AURASTEh, Chief  
Environmental Engineering**

Enclosure: ISA Checklist

C: Smita Deshpande, Chief  
Environmental Analysis, Generalist Branch

# Initial Site Assessment (ISA) Checklist

## Project Information

District 12 County ORA Route 133 Post Mile 3.1/R4.3 EA 0P94U

Description The proposed project is located in the County of Orange on Route 133, Laguna Canyon Road, from 0.3 mile south of El Toro Road (PM 3.1) to 0.2 mile north of the 73/133 Interchange (PM R4.3). This project consists of four components: 1) Drainage Improvements, 2) Safety Component, 3) Shoulder Widening, Class II Bike Lane 4) Relocating Underground & overhead utilities.

Is the project on the HW Study Minimal-Risk Projects List (HW1)? \_\_\_\_\_

Project Manager Pija Ansari phone # 949-440-4497

Project Engineer Steven Le phone # 949-438-6447

## Project Screening

Attach the project location map to this checklist to show location of all know and/or potential HW sites identified.

1. Project Features: New R/W? Yes Excavation? Yes Railroad Involvement? No  
Structure demolition/modification? No Subsurface utility relocation? Yes
2. Project Setting \_\_\_\_\_  
Rural or Urban Rural & Urban  
\_\_\_\_\_  
Current land uses Local Road & Vacant lands  
\_\_\_\_\_  
Adjacent land uses Vacant forest lands, mountain, local roads and freeway  
\_\_\_\_\_  
(industrial, light industry, commercial, agricultural, residential, etc.)
3. Check federal, State, and local environmental and health regulatory agency records as necessary, to see if any known hazardous waste site is in or near the project area. If a known site is identified, show its location on the attached map and attach additional sheets, as needed, to provide pertinent information for the proposed project.
4. Conduct Field Inspection. Date 7/21/2017 Use the attached map to locate potential or known HW sites.

### STORAGE STRUCTURES / PIPELINES:

Underground tanks	<u>No</u>	Surface tanks	<u>No</u>
Sumps	<u>No</u>	Ponds	<u>No</u>
Drums	<u>No</u>	Basins	<u>No</u>
Transformers	<u>No</u>	Landfill	<u>No</u>
Other	_____		



# Initial Site Assessment (ISA) Checklist

(continued)

## CONTAMINATION: (spills, leaks, illegal dumping, etc.)

Surface staining \_\_\_\_\_ No \_\_\_\_\_ Oil sheen \_\_\_\_\_ No \_\_\_\_\_

Odors \_\_\_\_\_ No \_\_\_\_\_ Vegetation damage \_\_\_\_\_ No \_\_\_\_\_

Other \_\_\_\_\_

## HAZARDOUS MATERIALS: (asbestos, lead, etc.)

Buildings \_\_\_\_\_ No \_\_\_\_\_ Spray-on fireproofing \_\_\_\_\_ No \_\_\_\_\_

Pipe wrap \_\_\_\_\_ Potential \_\_\_\_\_ Friable tile \_\_\_\_\_ No \_\_\_\_\_

Acoustical plaster \_\_\_\_\_ No \_\_\_\_\_ Serpentine \_\_\_\_\_ No \_\_\_\_\_

Paint \_\_\_\_\_ No \_\_\_\_\_ Other \_\_\_\_\_

5. Additional record search, as necessary, of subsequent land uses that could have resulted in a hazardous waste site. Use the attached map to show the location of potential hazardous waste sites.
6. Other comments and/or observations: According to the PSR, depending on the final location of the Utility Company Access Point locations and drainage improvements, there may be potential relocations of the 36" water line in certain locations. As a results, the possibility of asbestos either at pipe or its wrapping, if any, should be investigated during the design phase. Also, as part of this project, three parcels are subject to acquisition that are vacant lands without presence of significant contamination.

## ISA Determination

Does the project have potential hazardous waste involvement? No X If there is known or potential hazardous waste involvement, is additional ISA work needed before task orders can be prepared for the Investigation? \_\_\_\_\_ If "YES," explain; then give an estimate of additional time required: \_\_\_\_\_

A brief memo should be prepared to transmit the ISA conclusions to the Project Manager and Project Engineer.

ISA Conducted by Mitch Khalilifar Date 7/21/17